

**TRANSLATION**

**PATENT COOPERATION TREATY**

**PCT**

**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

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| Applicant's or agent's file reference<br><b>POS 117 WO</b>                                       | <b>FOR FURTHER ACTION</b>  | See Form PCT/IPEA/416  |
| International application No.<br><b>PCT/DE2004/002489</b>  | International filing date ( <i>day/month/year</i> )<br><b>05.11.2004</b> | Priority date ( <i>day/month/year</i> )<br><b>05.12.2003</b> |
| International Patent Classification (IPC) or national classification and IPC<br><b>B65G69/00</b> |  |  |
| Applicant<br><b>DEUTSCHE POST AG</b>   |  |  |

|    |   |
|----|---|
| 1. | This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.   |
| 2. | This REPORT consists of a total of <u>5</u> sheets, including this cover sheet.   |
| 3. | This report is also accompanied by ANNEXES, comprising:<br>a. <input type="checkbox"/> ( <i>sent to the applicant and to the International Bureau</i> ) a total of _____ sheets, as follows:<br><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).<br><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.<br>b. <input type="checkbox"/> ( <i>sent to the International Bureau only</i> ) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions). |
| 4. | This report contains indications relating to the following items:<br><input checked="" type="checkbox"/> Box No. I Basis of the report<br><input type="checkbox"/> Box No. II Priority<br><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability<br><input type="checkbox"/> Box No. IV Lack of unity of invention<br><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement<br><input type="checkbox"/> Box No. VI Certain documents cited<br><input checked="" type="checkbox"/> Box No. VII Certain defects in the international application<br><input type="checkbox"/> Box No. VIII Certain observations on the international application  |

|   |                                   |
|---|-----------------------------------|
| Date of submission of the demand        | Date of completion of this report |
| Name and mailing address of the IPEA/EP | Authorized officer                |
| Facsimile No.                           | Telephone No.                     |

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/DE2004/002489

Box No. I

Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rule 12.3 and 23.1(b))
- ☐ publication of the international application (Rule 12.4)
- ☐ international preliminary examination (Rule 55.2 and/or 55.3)
2. With regard to the **elements** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1-8 \_\_\_\_\_ as originally filed/furnished
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the claims:
- nos. 1-5 \_\_\_\_\_ as originally filed/furnished
- nos.\* \_\_\_\_\_ as amended (together with any statement) under Article 19
- nos.\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- nos.\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☒ the drawings:
- sheets 1-5 \_\_\_\_\_ as originally filed/furnished
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- sheets\* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/DE2004/002489

| Box No. V   | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |     |     |
|---|---|-----|-----|
| 1. Statement  |   |     |     |
| Novelty (N)   | Claims  | 1-5 | YES |
|   | Claims  |     | NO  |
| Inventive step (IS)   | Claims  | 1-5 | YES |
|   | Claims  |     | NO  |
| Industrial applicability (IA)   | Claims  | 1-5 | YES |
|   | Claims  |     | NO  |
| 2. Citations and explanations (Rule 70.7)   |   |     |     |
| Reference is made to the following document:  |   |     |     |
| D1: US6120871.  |   |     |     |
| <p>The buffer according to document D1 is considered the prior art closest to the claimed subject matter. Document D1 consists of two interlocking U-shaped parts (20, 30) which enclose an elastic damping element (50). The legs of the two U-shaped parts are not straight and have angular ends (80, 80') to ensure the cohesion of the overall unit.</p> <p>The claimed subject matter therefore differs from the known buffer in that the legs of the U-shaped parts converge or diverge and that in this way an appropriate clamping action is achieved. This replaces the angular ends according to the prior art. The claimed subject matter is therefore novel (PCT Article 33(2)).</p> <p>The problem to be solved by the present invention is understood to lie in the fact that the known buffer easily jams when it is subjected to excentric forces. The solution suggested in the claims of the present</p> |   |     |     |

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/DE2004/002489

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

application avoids this effect by a conical embodiment of the two buffer parts (see also figure 2 of the application). Neither document D1, the remainder of the available prior art, nor the general knowledge a person skilled in the art is likely to have, offers anything to suggest the claimed solution. Consequently, this solution involves an inventive step (PCT Article 33(3)).

Claims 2 to 5 are dependent on claim 1 and therefore likewise meet the PCT requirements for novelty and inventive step.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

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**Box No. VII**      **Certain defects in the international application**

The following defects in the form or contents of the international application have been noted:

In the claims, the U-shaped parts and their legs differ only by their respective reference signs. This can lead to problems with interpretation, since reference signs invariably have only an explanatory function (PCT Article 6). It would have been better to distinguish between first and second U-shaped parts and corresponding first and second legs.

The closest prior art should have been cited briefly.